ENERGY EFFICIENCY & CONSERVATION BLOCK GRANTS (EECBG)

PROPOSED PROJECTS LIST

Updated: 5/10/09

Non EECBG-funded projects

#	PROJECT NAME	DESCRIPTION	FINANCING				SAVINGS			NOTES
			EECBG Funds	CEC Loans/ SDG&E On-Bill Financing	Other/ Private Financing	TOTAL COST	Estimated Annual Energy Savings	Peak Energy Demand Reduction (kW)	Estimated Annual Municipal Cost Savings*	
1	EECBG Administration	Funds would support staff time and supplies to administer the City's EECBG program for a 3-year program	$ 100,000	$ -	$ -	$ 100,000	N/A	N/A	N/A	- Administrative costs will also be supported through anticipated SDG&E Local Government Partnership funds.
2	Home Upgrade, Carbon Downgrade - Energy Efficiency & Solar Retrofits	Funds would be used to launch a community energy efficiency and solar retrofit program for residents and businesses. Out of the $800k, up to $390,000 (maximum allowed under DOE guidelines) would be used for a 'Community Revolving Loan,' while the remaining amount would be used for direct financial incentives and program implementation costs. The direct financial incentives are one-time expenditures which help generate immediate business/residential energy savings and stimulate the local economy, but do not sustain a long-term program. The EECBG funds would be leveraged with a broader community program to finance energy-saving retrofits in a AB811-type program.	$ 800,000	$ -	$ 20,000,000	$ 20,800,000	3.6 million kWh* 360,000 Therms	900	$ -	- Assumes at least 2,000 properties participating over the 3-yr period with a 30% reduction in monthly energy use (monthly baseline 500 kWh and 50 therms). - Average EE & RE improvement costs per household is $10,000. - Assumes $20 million in additional private financing and City-issued bonds (June 2010) as outlined in Council-approved Climate Measures Implementation Plans.
3	Above-Ground Biodiesel Tank	Funds would be used to purchase and install a 10,000 gallon above-ground fuel tank to transition the City's diesel-powered vehicles (128 total) to biodiesel and support regional fleet AFV infrastructure needs.	$ 200,000	$ -	$ -	$ 200,000	30,000 Gallons (Fossil Fuel)	N/A	$ 25,000	- Project would be implemented in conjunction with the installation of a new unleaded above-ground fuel tank (CIP funding currently available).
4	Municipal Solar Installations	Funds would be used to install solar photovoltaic systems on City-owned buildings and facilities to reduce municipal energy use and demand.	$ 874,300	$ 3,000,000	$ -	$ 3,874,300	1,350,000 kWh	900	$ 216,000	- The size of the solar PV energy system could be significantly higher if leveraged with third-party tax arrangements (such as federal tax investment and depreciation credits).
5	Parkway Boiler & Solar Hot Water System	Funds would be used to install a new high-efficiency, condensing boiler and new solar hot water panels at the Parkway Recreation Center to provide domestic hot water and heat the swimming pool.	$ -	$ 250,000	$ -	$ 250,000	15,000 kWh 22,000 Therms	4	$ 25,520	- The retrofit project would also help to defray future scheduled replacement costs
6	Municipal Facility Lighting Retrofits (Phase 2)	Funds would be used to upgrades to exterior and interior lighting fixtures and control systems at 54 municipal parks and buildings.	$ -	$ 530,000	$ -	$ 530,000	750,000 kWh	0	$ 120,000	----------
7	Municipal Heating & Air Conditioning Retrofits (Phase 2)	Funds would be used to make energy efficiency upgrades to the heating and air conditioning systems at the South Chula Vista Library and Public Works Corp Yard.	$ -	$ 650,000	$ -	$ 650,000	400,000 kWh	100	$ 64,000	----------
8	Illuminated Street Name Sign Retrofits	Funds would be used to replace the 700 Illuminated Street Name Signs (ISNS) affixed to traffic signal posts.	$ -	$ 200,000	$ -	$ 200,000	320,000 kWh	0	$ 51,200	----------
9	Energy Efficient Streetlights Replacement	Funds would be used to replace the 8,986 light fixtures with more energy efficient technologies.	$ -	$ 3,500,000	$ -	$ 3,500,000	2.8 million kWh	0	$ 448,000	----------
		TOTALS	$ 1,974,300	$ 8,130,000	$ 20,000,000	$ 30,104,300	8.6 million kWh 382,000 Therms 30,000 Gallons	1,904	$ 949,720	